

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
A32516

Serial No.
09/455,952

4

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant
Michalopoulos and Bowen

Filing Date
December 7, 1999

Group
1614

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.								Date	Name	Class	Subclass	Filing Date if Appropriate
am	5	9	4	2	4	9	6		08/24/1999	Bonadio et al.	514	44	
am	5	8	5	5	6	1	9		01/05/1999	Caplan et al.	623	11	
am	5	9	1	0	5	8	2		06/08/1999	Elliot et al.	534	23.5	
am	5	8	8	5	8	2	9		03/23/1999	Mooney et al.	435	325	
am	5	9	1	0	4	3	1		06/08/1999	Ni et al.	435	69.5	
am	5	8	9	1	4	5	5		04/06/1999	Sittinger et al.	424	424	
am	5	8	0	0	5	3	7		09/01/1998	Bell	623	11	
am	5	5	5	9	0	2	2		09/24/96	Naughton et al.	435	370	
am	5	6	2	4	8	4	0		04/29/1997	Naughton et al.	435	395	
am	5	2	7	0	1	9	2		12/14/1993	Li et al.	435	174	
am	5	0	4	3	2	6	0		08/27/1991	Jauregui et al.	435	1	
am	4	8	5	3	3	2	4		08/01/1989	Viles et al.	435	2	

FOREIGN PATENT DOCUMENT

Document No.								Date	Country	Class	SubClass	Translator Yes No	

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

Michalopoulos, et al., 1999, "Morphogenetic events in mixed cultures of rat hepatocytes and nonparenchymal cells maintained in biological matrices in the presence of hepatocyte growth factor and epidermal growth factor", *Hepatology* 29:90-100

Examiner  Date Considered  9/24/01

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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TECH CENTER 1609/2908

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

✓ Mitaka et al., 1999, "Reconstruction of Hepatic Organoid by Rat Small Hepatocytes and Hepatic Nonparenchymal Cells", *Hepatology* 29:111-125

Cable, 1997, "Exposure of Primary Rat Hepatocytes in Long-Term DMSO Culture to Selected Transition Metals Induces Hepatocyte Proliferation and Formation of Duct-Like Structures", *Hepatology* 26:1444-1445

Kay et al., 1997, "Liver regeneration prospects for therapy based on new technologies", *Molecular Medicine Today* 3:108-115

✓ Block et al., 1996, "Population Expansion, Clonal Growth, and Specific Differentiation Patterns in Primary Cultures of Hepatocytes Induced by HGF/SF/ EGF and TGF α in a Chemically Defined (HGM) Medium", *J. Cell Biol.* 132:1133-1149

✓ Tateno et al., 1996, "Long-Term Cultivation of Adult Rat Hepatocytes That Undergo Multiple Cell Divisions and Express Normal Parenchymal Phenotypes", *Am. J. Pathol.* 148:383-392

Fausto et al., 1995, "Role of growth factors and cytokines in hepatic regeneration", *FASEB J.* 9:1527-1536

Martinez-Hernandez et al., 1995, "The extracellular matrix in hepatic regeneration", *FASEB J.* 9:1401-1409

✓ Mikata et al., 1995, "Growth and Maturation of Small Hepatocytes Isolated from Adult Rat Liver", *Biochem. Biophys. Res. Commun.* 214:310-317

Jukkola et al., 1993, "Procollagen synthesis and extracellular matrix deposition in MG-63 osteosarcoma cells", *J. Bone Mineral Research* 8:651-657

Mikata et al., 1993, "Effects of Mitogens and Co-Mitogens on the Formation of Small-Cell Colonies in Primary Cultures of Rat Hepatocytes", *J. Cell Physiol.* 157:461-468

Mikata et al., 1993, "Effect of Age on the Formation of Small-Cell Colonies in Cultures of Primary Rat Hepatocytes", *Cancer Res.* 53:3145-3148

✓ Mikata et al., 1992, "Small Cell Colonies Appear in the Primary Culture of Adult Rat Hepatocytes in the Presence of Nicotinamide and Epidermal Growth Factor", *Hepatology* 16:440-447

Takezawa et al., 1992, "Morphological and Immuno-Cytochemical Characterization of a Heterospheroid Composed of Fibroblasts and Hepatocytes", *J. Cell Sci.* 101:495-501;

Examiner

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am Kost et al., 1991, "Effect of 2% Dimethyl Sulfoxide on the Mitogenic Properties of Epidermal Growth Factor and Hepatocyte Growth Factor in Primary Hepatocyte Culture", *J. Cell Physiol.* 147:274-289;

am Mikata et al., 1991, "Multiple Cell Cycles Occur in Rat Hepatocytes Cultured in the Presence of Nicotinamide and Epidermal Growth Factor", *Hepatology* 13:21-30;

am Ausebel et al., 1989, *Current Protocols in Molecular Biology*, Greene Publishing Associates & Wiley Interscience, New York;

su Sambrook, et al., 1989, *Molecular Cloning: A Laboratory Manual*, Second Edition, Cold Spring Harbor Laboratory Press, New York;

su Senoo et al., 1989, "Co-Culture of Fibroblasts and Hepatic Parenchymal Cells Induces Metabolic Changes and Formation of a Three-Dimensional Structure", *Cell Biol. Internat. Reports* 13:197-206;

am Freshney, 1987, *Culture of Animal Cells, A Manual of Basic Technique*, 2d Ed., A.R. Liss, Inc., New York, Ch.9, pp. 107-126;

am Demetriou et al., 1986, "New Method of Hepatocyte Transplantation and Extracorporeal Liver Support", *Ann. Surg.* 9:259-271;

am Landry et al., 1985, "Spheroidal Aggregate Culture of Rat Liver Cells: Histotypic Reorganization, Biomatrix Deposition, and Maintenance of Functional Activities", *J. Cell Biol.* 101:914-923;

su Hagger et al., 1983, "Neonatal Hepatocyte Culture on Artificial Capillaries; A model for Drug Metabolism and the Artificial Liver", *ASAIO J.* 6:26-35;

am Seglen et al., 1976, "Preparation of isolated rat liver cells", *Methods in Cell Biology* 13:29-83.

Examiner

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